Appl. No. 10/537,897

Atty. Ref.: 4982-5

Amendment After Final Rejection

May 22, 2009

## **REMARKS**

Reconsideration is requested.

The claims have been amended, without prejudice.

Independent claims 1-3 and 29 have been revised to define the motifs by the noted sequence identifiers. The disclosed variability of the sequences is described in the Sequence Listing. No new matter has been added.

Claims 53-55 have been rewritten as dependent claims. The Examiner is urged to appreciate from the following sequence alignment that SEQ ID NOs: 2, 13, 15, 17, 21, 25, 27, 29 and 33 of the revised claims include the motifs of the independent claims (i.e., SEQ ID NOs: 5, 7, 8 and 9) which the Examiner has confirmed to have been examined. See page 3 of the Office Action dated February 25, 2009. The Examiner is requested to appreciate that SEQ ID NO:51 is a disclosed and previously claimed alternative of SEQ ID NO:5 wherein Leu at position 3 may be any hydrophobic amino acid. Rejoinder and examination therefore of the withdrawn claims are requested.

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		•
		1 50
OFFICENCE 12	(1)	
SEQIDNO_13		MALEALNSPTTTAPSFPFDDPTI-PWARFKRSKRSR
SEQIENO_15	(1)	MAMEALNSFTTATPFTPFEEPN-LSYLETPWTKCKRSKRSRD
SEQIDNO_21	(1)	MALEALNSST-TTTPPSFQFENNGLKYLESWTKCKRSKRQR8
SEQIENO_25	(1)	MALEALNSPIGIFIPPPFQFESDGQQLRYIENWRKGKRSKRSRI
SEQIDNO_17	(1)	MTLEALKSPTAATPTLPPRYEDDD-EIHNLDSWAKCKRSKRPR
SEQIDNO_27	(1)	MALEAMNTETSS-FTRIETKEDLMNDAVFIEFWLKFKRSKROR#HS
SEQIDNO 2	(1)	MALEALTSPRLASPIPPLFEDSSVFHGVEHWTKCKRSKRSR\$DF
SEQIDNO 29	(1)	MALETLISPRISSPMPILFQDSALGFHGSKCKRSKRSRSEF
SEQIDNO 33	(1)	MALEALNSPRLVEDPLRFNGVECWTKCKRSKRSR DL
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		SEQID NO:8
		SEQID NO.8
		51 200
seqidno_13		DHPSEEEYLALCLIMIARGGTTTVNNRHVSPPP
SEQIDNO_15	(42)	-DQSSCTEEEYLALCLIMIARSGNNNDKKSDSVATP
SEQIDNO 21	(42)	-MERQCTEEEYLALCLIMIARSDGSVNNSRSLPPPP
SEQIDNO 25	(45)	-MEHQPTEEEYLALCLIMIARSGGSVNHQRSLPFPA
SEQIDNO 17	(44)	-DAPPTEEEYLALCHIMLARSGTGTRTGLTDATTS
SEQIDNO 27		PSSSSSSPPRSRPKSONODLTEEEYLALILLMIAKDOPSOTRFHOCSOS-
SEQIDNO 2	(45)	HHQNLTEEEYLAFCLMLIARDNRQ
SECIENC 29	(42)	
_	• •	
SECIDNO_33	(39)	HHNHRLTEEEYLAFOLMLIARDGGD
		SEQID NO:9
		SEQID NO:9
		SEQID NO:9
SECIENO 13	. (69)	101 150
SEQIENO_13		101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASH
SECIENO_15	(77)	101 150 LOPOPOPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH
SEQIDNO_15 SEQIDNO_21	(77) (77)	101 150 LOPOPOPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH
SECIENO_15 SECIENO_21 SECIENO_25	(77) (77) (80)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH
SECIDNO_15 SECIDNO_21 SECIDNO_25 SECIDNO_17	(77) (77) (80) (78)	161 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAZEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADXKTAZLPPVHXXEVATEQAEQSYKCSVCDKAFSSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27	(77) (77) (30) (78) (95)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2	(77) (77) (80) (78) (95) (69)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (80) (78) (95) (69) (77)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYCALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYCALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYCALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYCALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYCALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2	(77) (77) (80) (78) (95) (69)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPFVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (80) (78) (95) (69) (77)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYCALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYCALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYCALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYCALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYCALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (80) (78) (95) (69) (77)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAZEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 25 SECIDNO 17 SECIDNO 27 SECIDNO 2 SECIDNO 29	(77) (77) (30) (78) (95) (69) (77) (64)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFPSY CALGGH KASHLTTVKLSHKCSVCNKAFSSY CALGGH KASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSY CALGGH KASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSY CALGGH KASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSY CALGGH KASHLTPPPESKNLPYKCNVCEKAFPSY CALGGH KASH
SECIENO_15 SECIENO_21 SECIENO_25 SECIENO_17 SECIENO_27 SECIENO_27 SECIENO_29 SECIENO_33	(77) (77) (30) (78) (95) (69) (77) (64)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAZEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYDALGGHKASH
SECIDNO_15 SECIDNO_21 SECIDNO_25 SECIDNO_17 SECIDNO_27 SECIDNO_27 SECIDNO_29 SECIDNO_33	(77) (77) (80) (78) (95) (69) (77) (64)	101 150 LOPQPQPTP-DPSTKLSYKCSVCDKSFPSY CALGGH KASHLTTVKLSHKCSVCNKAFSSY CALGGH KASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSY CALGGH KASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSY CALGGH KASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSY CALGGH KASHLTPPPESKNLPYKCNVCEKAFPSY CALGGH KASH
SECIENO_15 SECIENO_21 SECIENO_25 SECIENO_17 SECIENO_27 SECIENO_27 SECIENO_29 SECIENO_33	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFPSY CALGGH KASHLTTVKLSHKCSVCNKAFSSYCALGGH KASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSY CALGGH KASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSY CALGGH KASH QQPADXKTAELPPVHXXEVATEQAEQSYKCSVCDKAFSSYCALGGH KASHLTPPPESKNLPYKCNVCEKAFPSY CALGGH KASH
SECIENO_15 SECIENO_21 SECIENO_27 SECIENO_27 SECIENO_29 SECIENO_33 SECIENO_13 SECIENO_13 SECIENO_15	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (121)	151  LQPQPQPTP-DPSTKLSYKCSVCDKSFPSY CALGGH KASHLTTVKLSHKCSVCNKAFSSYCALGGH KASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSY CALGGH KASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSY CALGGH KASH QQPADXKTAELPPVHXKEVATEQAEQSYKCSVCDKAFSSYCALGGH KASHLTPPPESKNLPYKCNVCEKAFPSY CALGGH KASH
SECIENO_15 SECIENO_27 SECIENO_27 SECIENO_27 SECIENO_29 SECIENO_33 SECIENO_13 SECIENO_15 SECIENO_15 SECIENO_15 SECIENO_21	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (101) (125)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFPSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVPVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKERMVYKCSVCGKGFGSYDALGGHKASH QQPADXKTAELPPVHXKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFPSYDALGGHKASHPFPPPAVEKLSYKCSVCDKTFSSYDALGGHKASH
SECIDNO 15 SECIDNO 27 SECIDNO 27 SECIDNO 27 SECIDNO 29 SECIDNO 33 SECIDNO 33 SECIDNO 15 SECIDNO 15 SECIDNO 21 SECIDNO 27 SECIDNO 15 SECIDNO 27 SECIDNO 27 SECIDNO 27 SECIDNO 27 SECIDNO 27	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (101) (125) (128)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYCALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASHPFPPPAVEKLSYKCSVCDKTFSSYDALGGHKASHSPFLLPPLPTPIYKCSVCDKAFSSYDALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYDALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYDALGGHKASHLDSVTVAEKPSYKCGVCYKTFSSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 17 SECIDNO 27 SECIDNO 29 SECIDNO 33 SECIDNO 33 SECIDNO 15 SECIDNO 15 SECIDNO 21 SECIDNO 21 SECIDNO 25	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (129)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYDALGGHKASH LPPSVFVTSQINATLLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASH
SECIENO_15 SECIENO_21 SECIENO_27 SECIENO_27 SECIENO_29 SECIENO_33  SECIENO_13 SECIENO_15 SECIENC_15 SECIENC_21 SECIENC_27 SECIENC_27 SECIENC_27 SECIENC_27 SECIENC_27 SECIENC_27 SECIENC_27	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (129) (103)	101 150  LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASH
SECIDNO 15 SECIDNO 21 SECIDNO 27 SECIDNO 27 SECIDNO 29 SECIDNO 33 SECIDNO 13 SECIDNO 15 SECIDNO 21 SECIDNO 21 SECIDNO 25 SECIDNO 27 SECIDNO 27 SECIDNO 27	(77) (77) (80) (78) (95) (69) (77) (64) (108) (107) (121) (125) (128) (129) (103) (112)	101 150 LQPQPQPTP-DPSTKLSYKCSVCDKSFFSYDALGGHKASHLTTVKLSHKCSVCNKAFSSYCALGGHKASH LPPSVPVTSQINATLE-QKNLYKCSVCGKGFGSYDALGGHKASH PVMKLHAPSSSSAAEEEKEKMVYKCSVCGKGFGSYDALGGHKASH QQPADKKTAELPPVHKKEVATEQAEQSYKCSVCDKAFSSYDALGGHKASHLTPPPESKNLPYKCNVCEKAFFSYDALGGHKASHSPPLLPPLPTPIYKCSVCDKAFSSYDALGGHKASH

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		201	250
SEQIDNO_13	(145)	KSFPTGDALGGHR	RCHYEGNGNGNNNNSNSVVTVASEGVGSTH
SEQIDNO 15	(147)	KSFPT@DALGGHR	RCHYEGSVGAGAGAGSNAVTASEGVGLSH
SECIDNO_21	(162)	KCFPTGDALGGHKE	RCHYDG-GNGNGNGSVSVGVTSSEGVGSTI
SEQIENO_25	(168)	KOFPTGDALGGHKE	RCHYDG-GIGNGNANSGVSASVGVTSSEGVGSTV
SEQIDNO_17	(171)	KAFPT CDALGGER	RHYEGKLGGNSRDLGGGGGGGHSGSVLTTSDGGAST
SEQIENO_27	(172)	KVFPT DALGGHU	RCHYEGNLGGGGGGGSKSISHSGSVBSTV
SEQIDNO_2	(143)	KSFPSGDALGGHE	RCHYEGNNNINTSSVSNSEGAGSTS
SECIDNO_29	(155)	KSFATGDALGG: KF	RCHYEGKNGGGV898VSNSEDVGSTS
SECIDNO_33	(125)	KSFATGDALGG:KF	RCHYDGGVSGVGSTS

## SEQID NO:5

		251		300
SECIDNO_13	(188)	TVSEGHERE	FDLNIFAFPDFSTKVGE	DEVESPHPVMKK
SEQIDNO_15	(189)	SHHRI	FDLNLHAFPDFSKKFFVDD	EVFSPLPAAKK
SEQIDNO_21	(204)	SHHRE	FDLNIFALPEFWFGFGSGE	DEVESPHPAKKS
SEQIDNO 25	(214)	SHRI	fdlnif <mark>alpefwlgfgsge</mark> -	DEVESPHPAKKS
SECIDNO_17	(221)	HTLRE	fdlnmfaspelolglsidcgrk	SQLLPMVQEVESPMPAKKP
SEQIDNO 27	(214)	SEERSHRGE	idlnlealpelsihhn	IVDEEILSPLTGKKP
SEQIDNO_2	(181)	HVSSS-HRG	FDLNIFPIPEFSMVNG	DDEVMS9MPARKP
SEQIDNO 29	(194)	HV9SG-HRG	FDLNIPPIPEFSMVNG	DEEVMSPMPAKKL
SECIDNO_33	(156)	HVSSSSHRG	FDENIIPVQGFSP	DDEVMSPMATKKP

## SEQID NO:7

		•	
* .	•	301	319
SEQIDNO_13	(226)	PRLFVIPKIE	PQFQ
SEQIDNO_15	(224)	PCLFKLEI	PSHY
SECIDNO_21	(240)	-RLSLFPKLEI	FKGL
SEQIDNO_25	(249)	-RLCLPPKYEI	FQH
SEQIDNO 17	(267)	RLLFSLG-	
SECIDNO_27	(255)	LLLTDHDQVIF	KEDLSLĶI
SEQIDNO_2	(218)	RFDF	PVKLQL
SEQIDNO_29	(231)	RFDF	PEKP
SEQIDNO_33	(191)	RLK-	
Consensus	(301)	KLE	

Figure 1. Multiple amino acid sequence.

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The sequences of the pending claims are believed to have been examined and rejoinder and consideration of same are requested.

Claims 1-4, 10-17, 19-23, 29-34 and 43-56 are pending.

Claims 5-9, 11, 18, 24-28, 30-34, 35-43, 48 and 52, have been canceled, without prejudice.

Claims 1-4, 10, 12-17, 29, 44-47, 49-51 and 53-56 will be pending upon entry of the present Amendment. Entry of the Amendment is requested to at least reduce the issues for appeal. Specifically, entry of the present Amendment will make moot the Section 102 rejection of claims 30-34 and 52 over Pineda (WO 01/36598) and the Section 101 rejection of claim 30. Entry of the present Amendment and withdrawal of the Section 102 and Section 101 rejection are requested.

The present Amendment does not raise new issues requiring further search and/or consideration. The Amendment does not add new matter. Entry of the present Amendment is requested.

To the extent not made moot by the present Amendment, the objections to claims 2, 30, 47, 54, 55 and 56 are obviated by the Amendment. Entry of the present Amendment and withdrawal of the objections are requested.

To the extent not made moot by the above amendments, the Section 112, second paragraph, rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-52 is obviated by the above amendments. Entry of the present Amendment and withdrawal of the requested are requested. Specifically, claim 1 has been revised to delete that objected-to parenthetical recitation of SEQ ID NO:51. The objected-to recitations

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relating to the percent identities have been deleted. The objected-to recitations of "modified" have been deleted. Withdrawal of the rejection is requested.

The Section 112, second paragraph, rejection of claim 56 is obviated by the above amendments. Claim 56 has been made dependent from claim 29, which was not similarly rejected. Claim 29 has been amended above however, without prejudice, based on the Examiner's comments spanning pages 4-5 of the Office Action dated February 25, 2009. Entry of the present Amendment and withdrawal of the Section 112, second paragraph, rejection of claim 56 are requested.

The Section 112, first paragraph "written description", rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-56 is obviated by the above amendments. Reconsideration and withdrawal of the rejection are requested in view of the above and the following comments.

One of ordinary skill in the art will appreciate from the applicants disclosure that SEQ ID NOs: 5<sup>1</sup>, 7, 8 and 9 define regions of SEQ ID NO:2 which are essential and sufficient for producing the claimed phenotypes. The above sequence comparison demonstrates same. The Examiner's comments relating to 80% identity and basis for the rejection on same<sup>2</sup> are obviated by the above amendments. The specific sequences of the claims and disclosure contain the motifs of the amended independent claims, without reference to homologs or homologous sequences<sup>3</sup>. Entry of the present

<sup>&</sup>lt;sup>1</sup> Or the alternative SEQ ID NO:51.

<sup>&</sup>lt;sup>2</sup> <u>See</u> for example, last paragraphs on pages 5 and 7 of the Office Action dated February 25, 2009.

<sup>&</sup>lt;sup>3</sup> See page 6 of the Office Action dated February 25, 2009.

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Amendment and withdrawal of the Section 112, first paragraph "written description" rejection, are requested.

The Section 112, first paragraph "enablement", rejection of claims 1-4, 10-17, 19-23, 29-34 and 43-56 is obviated by the above amendments. Reconsideration and withdrawal of the rejection are requested in view of the above, the following and the attached Declaration. The attached Declaration is submitted in response to the Examiner's invitation on pages 9 and 11 of the Office Action dated February 25, 2009. The attached Declaration presents the previously-presented evidence in Declaration form. Moreover, the following sequence comparison of SEQ ID NOs: 2, 27 and 37 is provided for the Examiner's convenience.

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# 10 # 1 in Co for to for the six to					
SEQIDNO_2 SEQIDNO_27 MALEANTEPESFIPELFEDSS-VFHGVEHWIKGKRSKRSF SDFHHGNLTEFYLATIMLL RDNROPPFFFR SEQIDNO_27 MALEANNIPISSFIPEIKFDLMIDAVFIEPWIKRRRRKRRSKSSSSSSPPRSRFKSQNQDLFEEFYLALGILML KOGPSQTRFHQSGSLIFFFF SEQIDNO_37 MSSASSMEALHAAVIKEEQQQHEVERATVYTSSSATSGEEGGHLFQGWAKR-KRSR PQRFEEFNLALGILML RGCHFRVQAPPLSASAFPPA	6:0N OIĞAS 8:0N OIĞAS	2 VEKLSYKCSVCDKTFSS DALGGHRASHEKHLSQTLSGGDDBSTSSATTTSAVTTGS-GKSHVCTICNESFPS DALGGERRCH 27 SKNLPYKCNVGEKAFFS DALGGHRASHRIKPPTVISTTADDSTAFTISIVAGEKHPIAASGKIHEGSIGHKVFFT DALGGHRANG 33 GAEPRCSVGHSFSS DALGGHRAFHVKLPTPPAAFVLAPAPVAALLPSAEDREPATSSTAASSDGMTWRVHRUSICQKEFPT DALGGHBRKH	SEQID NO:5	2 YEGNNHINTSSVENSGAGSTSHVSSSHRGPDIAIPIPERSHVNGDDEVMSFMPAKKPRFDFPVKLQL	SEQID NO:7
SEQIDNO SEQIDNO SEQIDNO		SEQIDNO 2 SEQIDNO 27 SEQIDNO 37		SEQIDNO_2 SEQIDNO_27 SEQIDNO_37	

Figure 1. Amino acid sequence alignment of SEQ ID NO: 2, 27 and 37 showing the presence of the following motifs: L-box (SEQID NO:9), EAR motif (SEQID NO:7), the B-Box (SEQID NO:8) and the QALGGH motif (SEQID NO:5).

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The applicants submit that one of ordinary skill in the art will be able to make and use the claimed invention without undue experimentation. Withdrawal of the Section 112, first paragraph "enablement", rejection is requested.

The claims are submitted to be in condition for allowance and a Notice to that effect is requested. The Examiner is requested to contact the undersigned, preferably by telephone, in the event anything further is required in this regard.

Respectfully submitted,

## **NIXON & VANDERHYE P.C.**

By:	/B. J. Sadoff/
	B. J. Sadoff
	Red No. 36 663

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